10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-NFkB p100/p52 Picoband Antibody

Catalog # ABO11848

Specification

Anti-NFkB p100/p52 Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q99836
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Nuclear factor NF-kappa-B p100 subunit(NFKB2) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-NFkB p100/p52 Picoband Antibody - Additional Information

Gene ID 4615

Other Names
Myeloid differentiation primary response protein MyD88, MYD88

Calculated MW
33233 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cytoplasm .

Tissue Specificity
Ubiquitous. .

Protein Name
Nuclear factor NF-kappa-B p100 subunit

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E.coli-derived human NFkB p100/p52 recombinant protein (Position: M1-R340). Human NFkB p100/p52 shares 96% amino acid (aa) sequence identity with mouse NFkB p100/p52.

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Contains 7 ANK repeats.

Anti-NFkB p100/p52 Picoband Antibody - Protein Information

Name MYD88 (HGNC:7562)

Function
Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response (PubMed:15361868, PubMed:18292575, PubMed:33718825, PubMed:37971847). Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed:15361868, PubMed:19506249, PubMed:24316379). Increases IL-8 transcription (PubMed:9013863). Involved in IL-18-mediated signaling pathway. Activates IRF1 resulting in its rapid migration into the nucleus to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes. Upon TLR8 activation by GU-rich single-stranded RNA (GU- rich RNA) derived from viruses such as SARS-CoV-2, SARS-CoV and HIV-1, induces IL1B release through NLRP3 inflammasome activation (PubMed:33718825). MyD88-mediated signaling in intestinal epithelial cells is crucial for maintenance of gut homeostasis and controls the expression of the antimicrobial lectin REG3G in the small intestine (By similarity).

Cellular Location
Cytoplasm. Nucleus

Tissue Location
Ubiquitous..

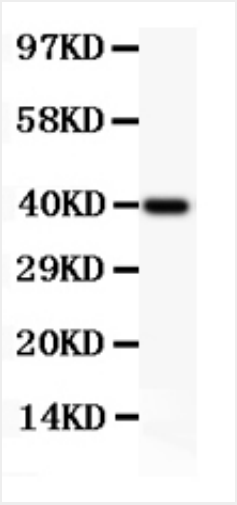
Anti-NFkB p100/p52 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-NFkB p100/p52 Picoband Antibody - Images



Anti-NFkB p100 Picoband antibody, ABO11848-1.jpgAll lanes: Anti NFKBP100 (ABO11848) at 0.5ug/mlWB: Recombinant Human NFKBP100 Protein 0.5ngPredicted bind size: 40KDObserved bind size: 40KD

Anti-NFkB p100 Picoband antibody, ABO11848-2.jpgAll lanes: Anti NFKBP100 (ABO11848) at 0.5ug/mlLane 1: JURKAT Whole Cell Lysate at 40ugLane 2: A549 Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 100KDObserved bind size: 100KD

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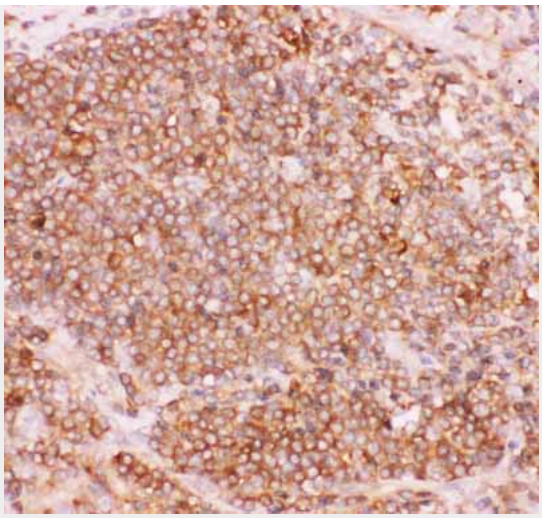
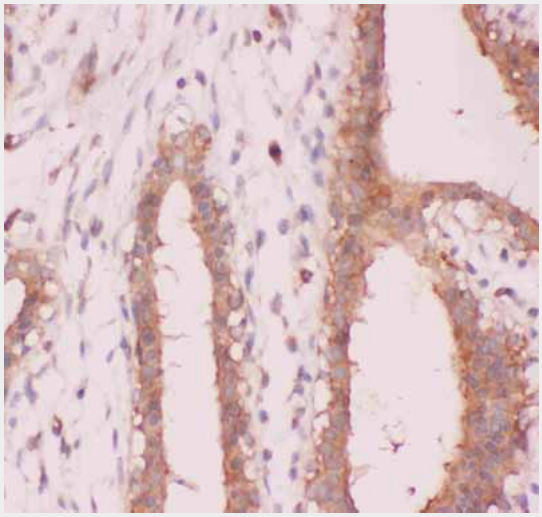
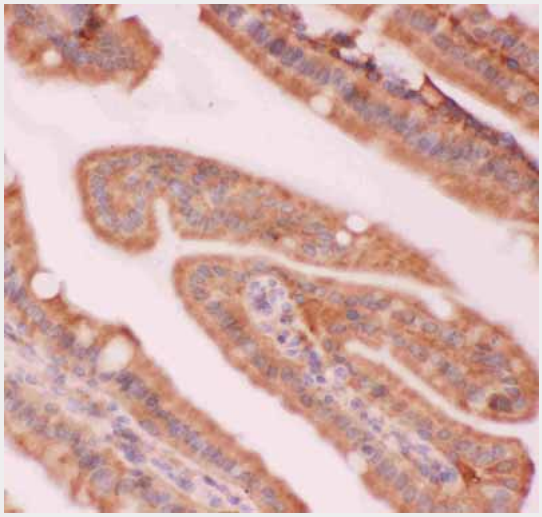


Anti-NFkB p100 Picoband antibody, ABO11848-3.JPGIHC(P): Human Lung Cancer Tissue



Anti-NFkB p100 Picoband antibody, ABO11848-4.JPGIHC(P): Human Mammary Cancer Tissue



Anti-NFkB p100 Picoband antibody, ABO11848-5.JPGIHC(P): Mouse Intestine Tissue

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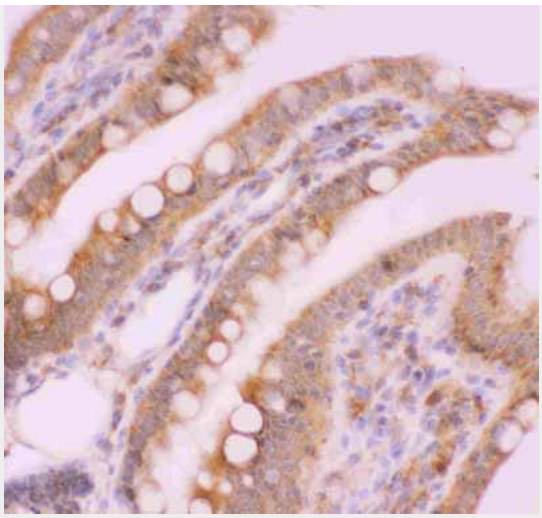

Anti-NFkB p100 Picoband antibody, ABO11848-6.JPGIHC(P): Rat Intestine Tissue

Anti-NFkB p100/p52 Picoband Antibody - Background

NFKB2, also known as nuclear factor NF-kappa-B p100 subunit, is a protein that in humans is encoded by the NFKB2 gene. It is mapped to 10q24.32. This gene encodes a subunit of the transcription factor complex nuclear factor-kappa-B (NFKB). NFKB is activated by a wide variety of stimuli such as cytokines, oxidant-free radicals, inhaled particles, ultraviolet irradiation, and bacterial or viral products. The NFkB complex is expressed in numerous cell types and functions as a central activator of genes involved in inflammation and immune function. The protein encoded by this gene can function as both a transcriptional activator or repressor depending on its dimerization partner.